RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/527,587

Source: PU7/10

Date Processed by STIC: 3/25/05

ENTERED

PCT

RAW SEQUENCE LISTING   DATE: 03/25/2005
PATENT APPLICATION: **US/10/527,587**   TIME: 08:51:55

Input Set : **A:\PTO.SR.txt**
Output Set: **N:\CRF4\03252005\J527587.raw**

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   4 <110> APPLICANT: Beschorner, William E.
   5         Sosa, Carlos E.
   6         Thompson, Scott C.
   8 <120> TITLE OF INVENTION: Growth of Foreign Cells in Fetal Animals Facilitated By
Conditional and
   9         Selective Destruction of Native Host Cells
  12 <130> FILE REFERENCE: 000241.00002
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/527,587
C--> 14 <141> CURRENT FILING DATE: 2005-03-14
  14 <150> PRIOR APPLICATION NUMBER: US 60/60/411,790
  15 <151> PRIOR FILING DATE: 2002-09-19
  17 <160> NUMBER OF SEQ ID NOS: 5
  19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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  24 <213> ORGANISM: Pig
  26 <400> SEQUENCE: 1
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  28 gtcaaacaca tttttggcaa aaaaactatg aattttgtaa tcagttgtga gccaatgaaa   120
  29 tacaaaaatg agtctagtta ataatctaca attattggtt aaagaagtat attagtgctg   180
  30 actttcctct gttcgtccta ccttttcttt tctatcaacc ccac                    224
  32 <210> SEQ ID NO: 2
  33 <211> LENGTH: 2241
  34 <212> TYPE: DNA
  35 <213> ORGANISM: Homo sapiens
  37 <400> SEQUENCE: 2
  38 gacggatcgg gagatctccc gatcccctat ggtcgactct cagtacaatc tgctctgatg    60
  39 ccgcatagtt aagccagtat ctgctccctg cttgtgtgtt ggaggtcgct gagtagtgcg   120
  40 cgagcaaaat ttaagctaca acaaggcaag gcttgaccga caattgcatg aagaatctgc   180
  41 ttagggttag gcgttttgcg ctgcttcgcc tgcaggcct gaaataacct ctgaaagagg    240
  42 aacttggtta ggtaccttct gaggctgaaa gaaccagctg tggaatgtgt gtcagttagg   300
  43 gtgtggaaag tccccaggct ccccagcagg cagaagtatg caaagcatgc atctcaatta   360
  44 gtcagcaacc aggtgtggaa agtccccagg ctccccagca ggcagaagta tgcaaagcat   420
  45 gcatctcaat tagtcagcaa ccatagtccc actgcaggaa ttgaccaggt cttgtggaga   480
  46 aaacagatcc agacggcaaa catacgcaag ggatttagtc aaacacattt ttggcaaaaa   540
  47 aactatgaat tttgtaatca gttgtgagcc aatgaaatac aaaaatgagt ctagttaata   600
  48 atctacaatt attggttaaa gaagtatatt agtgctgact ttcctctgtt cgtcctacct   660
  49 tttcttttct atcaacccca catggcctcg taccccggcc atcaacacgc gtctgcgttc   720
  50 gaccaggctg cgcgttctcg cggccatagc aaccgacgta cggcgttgcg ccctcgccgg   780
  51 cagcaagaag ccacggaagt ccgcccggag cagaaactgc ccacgctact gcgggtttat   840
  52 atagacggtc cccacgggct ggggaaaacc accaccacgc aactgctggt ggccctgggt   900
  53 tcgcgcgacg atatcgtcta cgtacccgag ccgatgactt actggcgggt gctgggggct   960
  54 tccgagacaa tcgcgaacat ctacaccaca caacaccgcc tcgaccaggg tgagatatcg  1020
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55 gccggggacg cggcggtggt aatgacaagc gcccagataa caatgggcat gccttatgcc    1080
56 gtgaccgacg ccgttctggc tcctcatatc ggggggggagg ctgggagctc acatgccccg   1140
57 cccccggccc tcaccctcat cttcgaccgc catcccatcg ccgccctcct gtgctacccg    1200
58 gccgcgcggt accttatggg cagcatgacc ccccaggccg tgctggcgtt cgtggccctc    1260
59 atcccgccga ccttgcccgg caccaacatc gtgcttgggg cccttccgga ggacagacac    1320
60 atcgaccgcc tggccaaacg ccagcgcccc ggcgagcggc tggacctggc tatgctggct    1380
61 gcgattcgcc gcgtttacgg gctacttgcc aatacggtgc ggtatctgca gtgcggcggg    1440
62 tcgtggcggg aggactgggg acagctttcg gggacggccg tgccgcccca gggtgccgag    1500
63 ccccagagca acgcgggccc acgaccccat atcggggaca cgttatttac cctgtttcgg    1560
64 gccccccgagt tgctggcccc caacggcgac ctgtataacg tgtttgcctg ggccttggac   1620
65 gtcttggcca aacgcctccg ttccatgcac gtctttatcc tggattacga ccaatcgccc    1680
66 gccggctgcc gggacgccct gctgcaactt acctccggga tggtccagac ccacgtcacc    1740
67 acccccggct ccataccgac gatatgcgac ctggcgcgca cgtttgcccg ggagatgggg    1800
68 gaggctaact gagaattcgc tagctctcta gtcgagaatt cgctagctcg acatgataag    1860
69 atacattgat gagtttggac aaaccacaac tagaatgcag tgaaaaaaat gctttatttg    1920
70 tgaaatttgt gatgctattg ctttatttgt gaaatttgtg atgctattgc tttatttgta    1980
71 accattataa gctgcaataa acaagttaac aacaacaatt gcattcattt tatgtttcag    2040
72 gttcaggggg aggtgtggga ggttttttaa agcaagtaaa acctctaaga acacaggtaa    2100
73 gtgccgtgtg tggttcccgc gggcctggcc tctttacggg ttatggccct tgcgtgcctt    2160
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75 ggtgggagag ttcgaggcct t                                               2241
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78 <211> LENGTH: 1506
79 <212> TYPE: DNA
80 <213> ORGANISM: fungus
82 <400> SEQUENCE: 3
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84 ccgcatagtt aagccagtat ctgctccctg cttgtgtgtt ggaggtcgct gagtagtgcg     120
85 cgagcaaaat ttaagctaca acaaggcaag gcttgaccga caattgcatg aagaatctgc     180
86 ttagggttag gcgttttgcg ctgcttcgcc tgcaggcct gaaataacct ctgaaagagg      240
87 aacttggtta ggtaccttct gaggctgaaa gaaccagctg tggaatgtgt gtcagttagg     300
88 gtgtggaaag tccccaggct ccccagcagg cagaagtatg caaagcatgc atctcaatta     360
89 gtcagcaacc aggtgtggaa agtccccagg ctccccagca ggcagaagta tgcaaagcat     420
90 gcatctcaat tagtcagcaa ccatagtccc actgcagttt gaggagaata tttgttatat     480
91 ttgcaaaata aaataagttt gcaagttttt tttttctgcc ccaaagagct ctgtgtcctt     540
92 gaacataaaa tacaaataac cgctatgctg ttaattattg gcaaatgtcc cattttcaac     600
93 ctaaggaaat accataaagt aacagatata ccaacaaaag gttactagtt aacaggcatt     660
94 gcctgaaaag agtataaaag aatttcagca tgattttcca tattgtgctt ccaccactgc     720
95 caataacacc atggtgacag ggggaatggc aagcaagtgg atcagaagg gtatggacat      780
96 tgcctatgag gaggcggcct taggttacaa agagggtggt gttcctattg gcggatgtct     840
97 tatcaataac aaagacggaa gtgttctcgg tcgtggtcac aacatgagat ttcaaaaggg     900
98 atccgccaca ctacatggtg agatctccac tttggaaaac tgtgggagat tagagggcaa     960
99 agtgtacaaa gataccactt tgtatacgac gctgtctcca tgcgacatgt gtacaggtgc    1020
100 catcatcatg tatggtattc cacgctgtgt tgtcggtgag aacgttaatt caaaagtaa    1080
101 gggcgagaaa tatttacaaa ctagaggtca cgaggttgtt gttgttgacg atgagaggtg   1140
102 taaaaagatc atgaaacaat ttatcgatga aagacctcag gattggtttg aagatattgg    1200
103 tgagtaggct agctctctag tcgagaattc gctagctcga catgataaga tacattgatg    1260
104 agtttggaca aaccacaact agaatgcagt gaaaaaaatg ctttatttgt gaaatttgtg    1320
105 atgctattgc tttatttgtg aaatttgtga tgctattgct ttatttgtaa ccattataag   1380
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106 ctgcaataaa caagttaaca acaacaattg cattcatttt atgtttcagg ttcaggggga    1440
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108 gttaat                                                               1506

110 <210> SEQ ID NO: 4
111 <211> LENGTH: 2294
112 <212> TYPE: DNA
113 <213> ORGANISM: Cytomegalovirus

115 <400> SEQUENCE: 4
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117 ccgcatagtt aagccagtat ctgctccctg cttgtgtgtt ggaggtcgct gagtagtgcg     120
118 cgagcaaaat ttaagctaca acaaggcaag gcttgaccga caattgcatg aagaatctgc     180
119 ttagggttag gcgttttgcg ctgcttcgcg atgtacgggc cagatatacg cgttgacatt     240
120 gattattgac tagttattaa tagtaatcaa ttacggggtc attagttcat agcccatata     300
121 tggagttccg cgttacataa cttacggtaa atggcccgcc tggctgaccg cccaacgacc     360
122 cccgcccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata gggactttcc     420
123 attgacgtca atgggtggac tatttacggt aaactgccca cttggcagta catcaagtgt     480
124 atcatatgcc aagtacgccc cctattgacg tcaatgacgg taaatggccc gcctggcatt     540
125 atgcccagta catgacctta tgggactttc ctacttggca gtacatctac gtattagtca     600
126 tcgctattac catggtgatg cggttttggc agtacatcaa tgggcgtgga tagcggtttg     660
127 actcacgggg atttccaagt ctccacccca ttgacgtcaa tgggagtttg ttttggcacc     720
128 aaaatcaacg ggactttcca aaatgtcgta acaactccgc cccattgacg caaatgggcg     780
129 gtaggcgtgt acggtgggag gtctatataa gcagagctct ctggctaact agagaaccca     840
130 ctgcttactg gcttatcgaa attaatacga ctcactatag ggagacccaa gctggctagc     900
131 gtttaaactt aagcttggta ccgagctcgg atccactagt ccagtgtggt ggaattctgc     960
132 agataatggc ctcgtacccc ggccatcaac acgcgtctgc gttcgaccag gctgcgcgtt    1020
133 ctcgcggcca tagcaaccga cgtacggcgt tgcgccctcg ccggcagcaa gaagccacgg    1080
134 aagtccgccc ggagcagaaa atgcccacgc tactgcgggt ttatatagac ggtccccacg    1140
135 ggatggggaa aaccaccacc acgcaactgc tggtggccct gggttcgcgc gacgatatcg    1200
136 tctacgtacc cgagccgatg acttactggc gggtgctggg ggcttccgag acaatcgcga    1260
137 acatctacac cacacaacac cgcctcgacc agggtgagat atcggccggg gacgcggcgg    1320
138 tggtaatgac aagcgcccag ataacaatgg gcatgcctta tgccgtgacc gacgccgttc    1380
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141 tgggcagcat gaccccccag gccgtgctgg cgttcgtggc cctcatcccg ccgaccttgc    1560
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149 ccctgctgca acttacctcc gggatggtcc agacccacgt caccacccccc ggctccatac    2040
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151 agtcgccgtg aacgttcttt ttcgcaacgg gtttgccgcc agaacacagg taagtgccgt    2160
152 gtgtggttcc cgcggcctg gcctctttac gggttatggc ccttgcgtgc cttgaattac    2220
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154 gagttcgagg cctt                                                      2294

156 <210> SEQ ID NO: 5
157 <211> LENGTH: 1782
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Input Set : **A:\PTO.SR.txt**
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 159 <213> ORGANISM: Cytomegalovirus
 161 <400> SEQUENCE: 5
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 164 cgagcaaaat ttaagctaca acaaggcaag gcttgaccga caattgcatg aagaatctgc     180
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 171 atgcccagta catgacctta tgggactttc ctacttggca gtacatctac gtattagtca     600
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 173 actcacgggg atttccaagt ctccacccca ttgacgtcaa tgggagtttg ttttggcacc     720
 174 aaaatcaacg ggactttcca aaatgtcgta acaactccgc cccattgacg caaatgggcg     780
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 183 ccatcatcat gtatggtatt ccacgctgtg ttgtcggtga gaacgttaat ttcaaaagta    1320
 184 agggcgagaa atatttacaa actagaggtc acgaggttgt tgttgttgac gatgagaggt    1380
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 187 cccgtttaaa cccgctgatc agcctcgact gtgccttcta gttgccagcc atctgttgtt    1560
 188 tgcccctccc ccgtgccttc cttgaccctg gaaggtgcca ctcccactgt cctttcctaa    1620
 189 taaaatgagg aaattgcatc gcattgtctg agtaggtgtc attcttattg aagcatttat    1680
 190 cagggttatt gtctcatgag cggatacata tttgaatgta tttagaaaaa taaacaaata    1740
 191 ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tc                       1782
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/527,587**

DATE: 03/25/2005
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Input Set : **A:\PTO.SR.txt**
Output Set: **N:\CRF4\03252005\J527587.raw**

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date